

Appendix table 1-23

Topics rated as top priority for additional professional development by public middle and high school mathematics and science teachers, by minority enrollment and school poverty level: Academic year 2007–08

(Percent distribution)

Teaching field/school characteristic	Topic rated as top priority for additional professional development								
	Student discipline and classroom management	Teaching students with special needs	Teaching LEP students	Use of technology in instruction	Content of main subject field	Content standards in main subject field	Methods of teaching	Student assessment	Communicating with parents
Mathematics	22.4	7.8	2.4	19.8	18.5	10.3	12.2	4.7	0.9
Minority enrollment (%)									
0–5	18.1	4.4	0.0	22.8	25.0	13.1	11.9	3.1	1.2
>5–45	20.0	7.6	1.4	22.5	19.9	11.7	11.0	4.1	1.1
>45	25.7	8.8	4.0	16.6	15.7	8.3	13.4	5.6	0.6
School poverty level (%) ^a									
0–10	18.1	7.5	0.8	27.6	21.4	7.0	13.4	3.2	0.2
>10–50	21.1	7.3	2.0	17.9	20.1	12.3	12.4	4.7	1.3
>50	27.1	8.5	4.1	19.0	15.0	7.9	11.3	5.2	0.5
Science	19.2	5.3	3.3	18.8	24.8	8.6	13.9	4.1	0.7
Minority enrollment (%)									
0–5	13.4	5.5	0.2	22.5	28.1	10.3	16.5	2.0	0.1
>5–45	15.3	5.4	1.8	17.9	30.2	8.1	14.6	4.7	1.2
>45	25.4	5.0	6.0	18.6	17.6	8.8	12.3	3.9	0.3
School poverty level (%) ^a									
0–10	9.6	6.5	1.2	21.9	31.3	8.2	15.9	2.5	1.6
>10–50	17.6	4.0	2.5	20.0	26.6	8.1	14.1	5.3	0.5
>50	29.1	7.2	6.6	15.0	16.5	8.8	11.9	2.7	0.5
Other ^b	20.2	14.9	4.3	13.7	24.2	7.4	9.7	2.9	1.2
Minority enrollment (%)									
0–5	17.6	14.4	0.9	15.7	27.7	7.9	9.8	3.7	0.5
>5–45	16.4	14.7	2.8	14.4	27.0	8.0	10.7	2.8	1.3
>45	24.9	15.1	6.9	12.5	20.2	6.6	8.6	2.8	1.2
School poverty level (%) ^a									
0–10	13.5	14.9	2.2	14.6	29.1	7.5	11.5	4.1	1.0
>10–50	19.3	14.7	3.6	14.0	25.2	7.5	10.0	2.9	1.2
>50	25.6	15.3	7.1	12.5	19.4	7.0	8.3	2.2	1.3

LEP = limited English proficiency

^aSchool poverty level is percentage of students in school qualifying for free/reduced-price lunch.

^bOther teachers include those who teach any subject other than mathematics or science.

NOTES: For professional development priorities, teachers were asked to select three top priorities for additional professional development from list of topics shown. Response categories included "first priority," "second priority," and "third priority." Percentages based on teachers' responses of their first priority. Percentages do not total to 100% because "other" omitted.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2011) of 2007–08 Schools and Staffing Survey, National Center for Education Statistics.